

# LT-101

## LEAD WIRE

PTFE INSULATED - 260°C



JSS 51034, MIL 16878-E

Voltage Grade : 250/600/1000V

### SPECIFICATIONS

- Conductor : Solid, Multistrand, Copper Material (Bare Copper, NPC, SPC)
- Insulation : PTFE Insulated
- Voltage Rating : Up to 1.0 KV
- Operating Temp. : 260°C
- Color Code : As per Customer Requirement

### FEATURES

- ✓ Max. Temp. Up to 260°C
- ✓ Good Chemical Resistant
- ✓ Low Dielectric Constant
- ✓ Very Low dissipation factor
- ✓ High Temperature Resistant
- ✓ Good Abrasion Resistance
- ✓ Non-Flammability
- ✓ Passes JSS 51034 Flame Test

### AVAILABLE OPTIONS

- ✓ Available in Different colors
- ✓ 250 V / 600 V / 1000 V As per Customer Requirement
- ✓ Metal Covering
- ✓ Fiber Braiding

## CONSTRUCTION DETAILS AND DIMENSIONS

S.No.	Size	Number of Strands/Dia of each Strand		Dia of Conductor	Cross Sectional Area	ET 250 V		E 600 V		EE 1000 V		Max Res. OHMS /KM at 20°C	Current Rating (amps)	Max weight/m/mtr
						OD of insulation		OD of insulation		OD of insulation				
						Min (mm)	Max. (mm)	Min (mm)	Max. (mm)	Min (mm)	Max. (mm)			
LT101	30	7/38	7/0.10	0.31	0.055	0.56	0.65	0.72	0.93	0.97	1.17	330	1	2.69
LT102	28	1/28	7/0.32	0.32	0.08	0.57	0.66	0.73	0.94	0.98	1.18	223	2.1	2.95
LT103	28	7/36	7/0.13	0.38	0.093	0.63	0.72	0.79	1	1.04	1.24	209	2.1	3.24
LT104	26	1/26	1/0.40	0.4	0.125	0.65	0.74	0.81	1.02	1.06	1.26	140	3	3.59
LT105	26	7/34	7/0.16	0.48	0.14	0.73	0.82	0.89	1.1	1.14	1.34	132	3	3.96
LT106	26	19/38	19/0.10	0.51	0.149	0.76	0.85	0.92	1.13	1.17	1.37	125	3	4.13
LT107	24	1/24	1/0.51	0.51	0.204	0.76	0.85	0.92	1.13	1.17	1.37	87	4	4.63
LT108	24	7/32	7/0.20	0.61	0.219	0.86	0.95	1.02	1.23	1.27	1.47	82	4	5.06
LT109	24	19/36	19/0.13	0.64	0.252	0.89	0.98	1.05	1.26	1.3	1.5	79	4	5.45
LT110	22	1/22	1/0.64	0.64	0.321	0.89	0.98	1.05	1.26	1.3	1.5	55	7.3	6.07
LT111	22	7/30	7/0.25	0.76	0.343	1.01	1.1	1.17	1.38	1.42	1.62	52	7.3	6.62
LT112	22	19/34	19/0.16	0.81	0.382	1.06	1.15	1.22	1.43	1.47	1.67	49	7.3	7.12
LT113	20	1/20	1/0.81	0.81	0.515	1.06	1.15	1.22	1.43	1.47	1.67	34	11	8.32
LT114	20	7/28	7/0.32	0.97	0.562	1.22	1.31	1.38	1.59	1.63	1.83	32	11	9.22
LT115	20	19/32	19/0.20	1.02	0.596	1.27	1.36	1.43	1.64	1.68	1.88	30	11	9.67
LT116	18	7/26	7/0.40	1.22	0.879			1.63	1.92	1.88	2.08	20	16	12.81
LT117	18	19/30	19/0.25	1.27	0.932			1.68	1.97	1.93	2.13	18	16	13.44
LT118	16	19/29	19/0.29	1.45	1.254			1.86	2.15	2.11	2.45	14	22	18.02
LT119	15	19/28	19/0.32	1.6	1.528			2.01	2.3	2.26	2.6	12	26	21.01
LT120	14	19/27	19/0.36	1.83	1.933			2.24	2.53	2.49	2.83	9	32	25.44
LT121	13	19/26	19/0.40	2	2.387			2.41	2.7	2.66	3	7	35	30.12
LT122	12	19/25	19/0.45	2.31	3.021			2.72	3.01	2.97	3.31	5	41	36.89
LT123	12	37/28	37/0.32	2.26	2.975			2.67	2.96	2.92	3.26	6	41	36.31
LT124	11	19/24	19/0.50	2.5	3.73			2.91	3.2	3.16	3.5	4	45	43.93
LT125	10	19/22	19/0.65	3.35	6.304			3.76	4.05	4.01	4.35	2	55	70.03
LT126	10	37/26	37/0.4	2.82	4.649			3.23	3.52	3.48	3.82	3	50	53.31
LT127	8	133/29	133/0.29	4.29	8.784					4.95	5.29	2	75	95.60
LT128	6	133/27	133/0.36	5.8	13.537					6.46	6.8	1	100	143.59

## LEAD WIRE ORDERING CODE FOR PTFE/FEP WIRE

ORDERING CODE			
Type Of Insulation	Conductor Size	Type Of Conductor	Color Code
(XXX)	(XXX)	(XXX)	(XX)
LT LFP	101 102 103 - - - - - - - 128	BC0 TPC NPC SPC PN0	RE YE BR BL BK GR PU OR WH GN

**Note :**

<b>Insulation Type</b> PK - (PEEK) T0 - (PTFE) TF - (FEP) ET - (ETFE) PF - (PFA) MF - (MFA) FT - (PTFE /Fibre Glass) AM - (Mica / Alumina) P0 - (PVC) S0 - (Silicon) FS - (Silicon / Fibre Glass) K0 - (Polymide) F0 - (Fibre Glass)	<b>Type of Conductor</b> BC0 - (Bare Copper) TPC - (Tin Plated Copper) NPC - (Nickel Plated Copper) SPC - (Silver Plated Copper) PN0 - (Pure Nickel)	<b>Color</b> RE - (Red) YE - (Yellow) BR - (Brown) BL - (Blue) BK - (Black) GR - (Grey) PU - (Purple) OR - (Orange) WH - (White) GN - (Green)
---	---	---

**Example :**

AWG 24/7/32 Tin Plated Copper FEP Insulated Black Color Lead Wire.  
**LTF - 105 - TPC - BK**

Rev1